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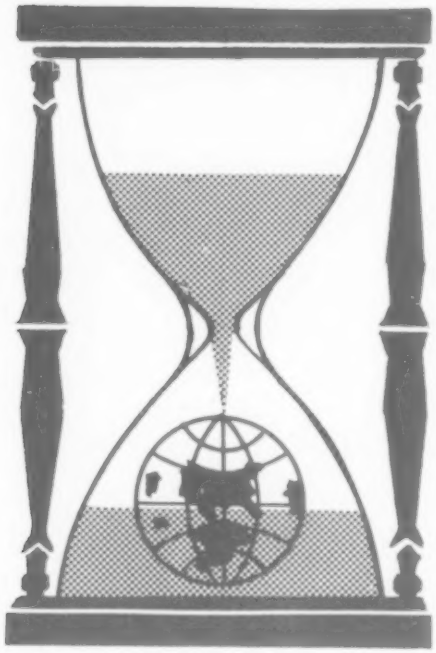

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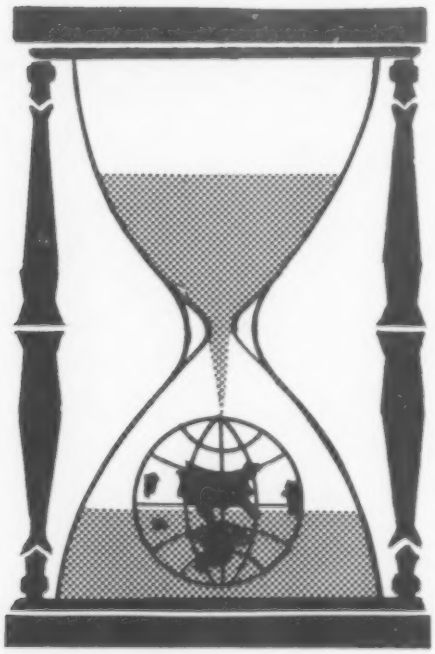

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The Secretary of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through May 31, 1979.

INTRODUCTION

Selected References on Environmental Quality as it Relates to Health is a product of MEDLARS (Medical Literature Analysis and Retrieval System), the National Library of Medicine's computer-based citation retrieval system that is used to compile and produce its publications. *Index Medicus* encompasses the literature of biomedicine broadly; other bibliographies cover special subject areas.

This bibliography cites selected articles from about 2,400 biomedical journals. Each monthly issue includes references cited in the monthly *Index Medicus* for the corresponding month.

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* Medical Subject Headings, published as Part 2 of the January *Index Medicus* (available separately from Superintendent of Documents).

Each bibliographic citation contains the following elements in order: title of the article in English (brackets indicate translated title); author (senior author if more than one); journal title abbreviation; volume number; issue, part or supplement; inclusive pagination; date of issue; and an abbreviation indicating the language of the article if other than English. Foreign language articles containing an English abstract are so indicated. Review articles list the number of references in parentheses.

Each citation is also listed in a separate Author Section under the name of the senior or sole author, with cross references from the second and third authors.

FOREIGN LANGUAGE ABBREVIATIONS

Afr	Afrikaans	Jpn	Japanese
Alb	Albanian	Kor	Korean
Ara	Arabic	Lit	Lithuanian
Arm	Armenian	Mul	Multilingual
Aze	Azerbaijani	Nor	Norwegian
Bul	Bulgarian	Per	Persian (Modern)
Chi	Chinese	Pol	Polish
Cro	Croatian	Por	Portuguese
Cze	Czech	Pus	Pushto
Dan	Danish	Rum	Rumanian
Dut	Dutch	Rus	Russian
Fin	Finnish	Ser	Serbian
Fre	French	Slo	Slovak
Geo	Georgic	Slv	Slovene
Ger	German (Modern)	Spa	Spanish
Gre	Greek	Swe	Swedish
Heb	Hebrew	Tha	Thai
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Ice	Icelandic	Ukr	Ukrainian
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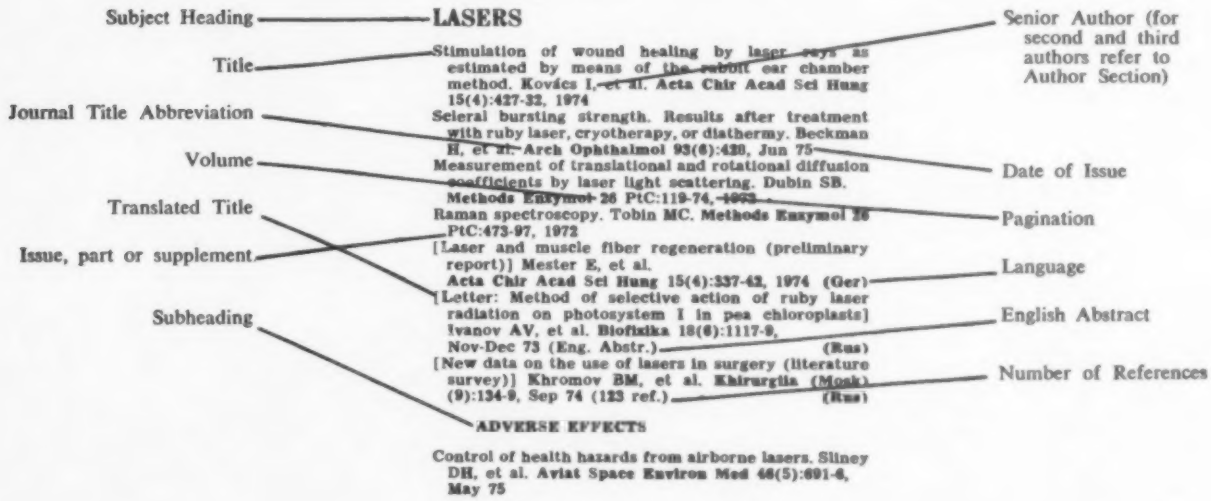

SUBJECT SECTION

ABNORMALITIES

Natural history of specific birth defects: Introduction. Hall JG. **Birth Defects** 13(3C):1-2, 1977
Parental reactions to the birth of a handicapped child. Parks RM. **Health Soc Work** 2(3):51-66, Aug 77
The adaptation of parents: postpartum crisis counseling [letter] Funderburk S, et al. **Pediatrics** 60(3):383, Sep 77
Litigation-produced pain, disease and suffering: an experience with congenital malformation lawsuits. Brent RL. **Teratology** 16(1):1-13, Aug 77

COMPLICATIONS

Disharmonic skeletal maturation in the congenital malformation syndromes. Poznanski AK, et al. **Birth Defects** 13(3C):45-65, 1977

DIAGNOSIS

[The prenatal diagnosis of anomalies and other pathological conditions (author's transl)] Zellweger H. **Praxis** 66(27):836-41, 5 Jul 77 (Eng. Abstr.) **(Ger)**
[Prenatal diagnosis of genetic defects from the amniotic fluid. Report of experiences] Körner H, et al. **Zentralbl Gynaekol** 99(12):725-34, 1977 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Trace elements and congenital abnormalities. Williams RB. **Proc Nutr Soc** 36(1):25-32, May 77 (61 ref.)
[Teratogenous damage by x-rays in early pregnancy (letter)] Lenz W. **Munch Med Wochenschr** 119(25):872, 24 Jun 77 **(Ger)**

OCCURRENCE

A survey of the use of high-risk registers in the United States. Egan JJ. **ASHA** 19(5):329, May 77
Seasonal occurrence of congenital abnormalities in Canada. Elwood JM, et al. **Can J Public Health** 68(3):233-6, May-Jun 77
Surveillance of malformations at birth: a comparison of two record systems run in parallel. Ericson A, et al. **Int J Epidemiol** 6(1):35-41, Mar 77

VETERINARY

[Cytogenetic study of 23 cases of congenital anomalies of cattle] Gol'dman IL, et al. **Tsitol Genet** 11(1):80-2, Jan-Feb 77 (Eng. Abstr.) **(Rus)**

ABNORMALITIES, DRUG-INDUCED

The natural history of aminopterin-induced embryopathy. Howard NJ, et al. **Birth Defects** 13(3C):85-93, 1977
Agenesis of the vermiform appendix in a thalidomide child. Shand JE, et al. **Br J Surg** 64(3):203-4, Mar 77
Toxicity studies with dieldrin: teratological studies in mice dosed orally with HEOD. Dix KM, et al. **Teratology** 16(1):57-62, Aug 77
The effects of methylxanthines on catecholamine-stimulated and normal chick embryos. Gilbert EF, et al. **Teratology** 16(1):47-52, Aug 77
Cytosine arabinoside-induce transplacental dysgenetic hydrocephalus in mice. Kasubuchi Y, et al. **Teratology** 16(1):63-70, Aug 77
Evaluation of the teratogenic potential of tertiary butylhydroquinone (TBHA) in the rat. Krasavage WJ. **Teratology** 16(1):31-3, Aug 77
Cell degeneration and recovery of the fetal mammalian brain after a chemical insult. Langman J, et al. **Teratology** 16(1):15-29, Aug 77
Thalidomide embryopathy. McBride WG. **Teratology** 16(1):79-82, Aug 77 (24 ref.)
T1Wh, a promising mouse strain with chromosomal markers for cleft palate research. Miller KK, et al. **Teratology** 16(1):41-6, Aug 77
Effect of intraamniotic administration of vitamin A on rat fetuses. Nanda R, et al. **Teratology** 16(1):35-40, Aug 77

COMPLICATIONS

Thalidomide-type malformations and subsequent osteosarcoma [letter] Teppo L, et al. **Lancet** 2(8034):405, 20 Aug 77

ETIOLOGY

Is there a 'fetal hydantoin syndrome?' [editorial] Apt L, et al. **Am J Ophthalmol** 84(3):439-40, Sep 77
Alcohol and the fetus. Hanson JW. **Br J Hosp Med** 18(2):126, 128-30, Aug 77
Fetal alcohol syndrome. Robinson RO. **Dev Med Child Neurol** 19(4):538-40, Aug 77
Teratogenicity of polybrominated biphenyls in rats. Beaudoin AR. **Environ Res** 14(1):81-6, Aug 77

METABOLISM

Alpha-fetoprotein and albumin in experimentally-induced exencephaly in the rat. Smith CJ, et al. **Teratology** 16(1):71-8, Aug 77

ACCIDENT PREVENTION

Environmental health and safety in the academic setting. DeRoos RL. **Am J Public Health** 67(9):851-4, Sep 77
Getting disasters under control. Giroux F. **Dimens Health Serv** 54(8):53-4, Aug 77
Consolidating environmental health and safety programs on a major university campus. Webb RW. **J Am Coll Health Assoc** 25(5):317-9, Jun 77

ACCIDENTS

Accident and assault deaths in the United States Navy: demography and preliminary interpretations. Schuckit MA, et al. **Milit Med** 142(8):607-10, Aug 77
[Accidental hypothermia in man] Seiler A, et al. **Schweiz Med Wochenschr** 107(27):935-42, 9 Jul 77 (Eng. Abstr.) **(Ger)**

ACCIDENTS, AVIATION

Aircraft fatality investigation as a function of a comprehensive health service. Schwär TG. **S Afr Med J** 52(4):153, 20 Jul 77

PREVENTION & CONTROL

Research at the FAA Civil Aeromedical Institute. Busby DE. **S Afr Med J** 52(4):145-6, 20 Jul 77
Protection of air transport passengers and crew in post-crash fires. Snyder RG. **S Afr Med J** 52(4):149, 20 Jul 77

ACCIDENTS, HOME

[Death in the chimney. Determination and interpretation of CO and alcohol values in heat-coagulated blood] Berg S, et al. **Arch Kriminol** 160(1-2):1-19, Jul-Aug 77 **(Ger)**

ACCIDENTS, INDUSTRIAL

[Requirements, disease and accident hazards at the work site in animal production] Hammer W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 27(7):157-64, Jul 77 **(Ger)**

ACOUSTIC TRAUMA

Noise trauma induced in the presence of loop-inhibiting diuretics. Vernon J, et al. **Trans Am Acad Ophthalmol Otolaryngol** 84(2):407-13, Mar-Apr 77

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Loudness Discrimination Index (LDI): a test for the early detection of noise susceptible individuals. Bienvenue GR, et al. **Am Ind Hyg Assoc J** 38(7):333-7, Jul 77

ETIOLOGY

Growth of cochlear damage with increasing severity of exposure. Bohne BA. **Trans Am Acad Ophthalmol Otolaryngol** 84(2):420-1, Mar-Apr 77
Age dependent susceptibility to auditory trauma in the hamster: behavioral and electrophysiologic consequences. Stanek R, et al. **Trans Am Acad Ophthalmol Otolaryngol** 84(2):465-72, Mar-Apr 77

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Does pop music cause hearing damage? Axelsson A, et al. **Audiology** 16(5):432-7, Sep-Oct 77

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Inner ear correlates in acoustic trauma. Hunter-Duvar I. **Trans Am Acad Ophthalmol Otolaryngol** 84(2):422, Mar-Apr 77

ADAPTATION, PSYCHOLOGICAL

Structure of emotional preferences in human subjects [proceedings] Martin I, et al. **Act Nerv Super (Praha)** 19(1):30-2, 1977
Adaptation mechanism in the fetus, with special reference to fetal endocrinology. Sakamoto S, et al. **Acta Obstet Gynecol Scand [Suppl]** 63:1-19, 1977
Coping patterns of parents of deaf-blind children. Klein C. **Am Ann Deaf** 122(3):310-2, Jun 77

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ADAPTATION, PSYCHOLOGICAL

Family sequelae after a child's death due to cancer. Tietz W, et al. **Am J Psychother** 31(3):417–25, Jul 77

Influence of adaptation period length on the ability of humans to increase and decrease heart rate with instructions and biofeedback. Holmes DS, et al. **Behav Biol** 20(2):261–9, Jun 77

Frequency response of the human controller for various processes and stochastic testsignals. Kuchen B, et al. **Biol Cybern** 27(1):33–9, 8 Jul 77

The role of attractiveness and mate selection in phylogenetic adaptation with particular reference to early man. Sloman L. **Biol Psychiatry** 12(4):487–94, Aug 77

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Counseling heart patients and their families. Bromberg H, et al. **Health Soc Work** 2(3):158–72, Aug 77

Parental reactions to the birth of a handicapped child. Parks RM. **Health Soc Work** 2(3):51–66, Aug 77

Predicting adjustment of heart patients with the Cardiac Adjustment Scale. Steger HG, et al. **J Clin Psychol** 33(3):735–9, Jul 77

Psychological status after stroke as measured by the Hand Test. Wang PL, et al. **J Clin Psychol** 33(3):879–82, Jul 77

The prediction of psycho-social adjustment subsequent to cardiac insult. Zheutlin S, et al. **J Clin Psychol** 33(3):706–10, Jul 77

Life stress and the psychological and medical adjustment of chronically ill children. Bedell JR, et al. **J Psychosom Res** 21(3):237–42, 1977

Psychiatric aspects of hemophilia. Jonas DL. **Mt Sinai J Med NY** 44(3):457–63, May–Jun 77

The adaptation of parents: postpartum crisis counseling [letter] Funderburk S, et al. **Pediatrics** 60(3):383, Sep 77

Adjusting to multiple sclerosis: an exploratory study. Matson RR, et al. **Soc Sci Med** 11(4):245–50, Mar 77

[The reaction to the dilemma in genetic counseling] Bleeker JA. **Ned Tijdschr Geneeskd** 121(34):1313–5, 20 Aug 77 **(Dut)**

[The ego and the adaption mechanism] Parin P. **Psyche (Stuttg)** 31(6):481–515, Jun 77 (Eng. Abstr.) **(Ger)**

[Effect of social and psychic factors in laryngectomized patients on the rehabilitation of substitute communication ability] Pruszewicz A, et al. **Otolaryngol Pol** 31(3):271–6, 1977 (Eng. Abstr.) **(Pol)**

[Long term follow-up of adaptational mechanisms in sudden and acute heart diseases] Krąkowski AJ, et al. **Psychiatr Pol** 11(3):271–5, May–Jun 77 **(Pol)**

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[Requirements, disease and accident hazards at the work site in animal production] Hammer W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 27(7):157–64, Jul 77 **(Ger)**

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Poisoning by carbamate pesticides. Simpson GR, et al. **Med J Aust** 2(5):148–9, 30 Jul 77

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[Clinico-immunologic characteristics of chronic brucellosis of the bovine type according to findings from an out-patient study of cattle breeders] Ipatova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):129–30, Jun 77 **(Rus)**

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PREVENTION & CONTROL

Health care of people at work-agricultural workers. Smith DM. **J Soc Occup Med** 27(3):87–92, Jul 77

[Industrial medicine and occupational protection in agriculture and forestry] Dupuis H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 27(7):165–7, Jul 77 **(Ger)**

AIR MICROBIOLOGY

Comparative merits of eight popular media in aerometric studies of fungi. Burge HP, et al. **J Allergy Clin Immunol** 60(3):199–203, Sep 77

Microorganisms in air of cotton mills [letter] Lacey J. **Lancet** 2(8035):455–6, 27 Aug 77

Comparative recoveries of airborne fungus spores by viable and non-viable modes of volumetric collection. Burge HP, et al. **Mycopathologia** 61(1):27–33, 29 Jul 77

Studies on the fungal flora in the lung of human necropsy cases. A critical survey in connection with the pathogenesis of opportunistic fungus infections. Okudaira M, et al. **Mycopathologia** 61(1):3–18, 29 Jul 77

Microbiological observation of treatment in sterile environment. Měrka V, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 19(3–4):389–97, 1976

[Microbial pollution of the atmosphere in shops of the Borsk Factory for primary wool processing] Garas'ko EV, et al. **Gig Tr Prof Zabol** (7):41–3, Jul 77 **(Rus)**

AIR POLLUTION

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The physical and chemical environment in cabins of long-distance aircraft. Fourn P, et al. **S Afr Med J** 52(4):149, 20 Jul 77

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[Organization of sanitary protection of the atmosphere in the area of poultry farms in the Donetsk district] Grin' NV, et al. **Gig Sanit** (4):77–80, Apr 77 **(Rus)**

ALCOHOLIC BEVERAGES

Tolerance to ethanol: effect of congeners present in bourbon. Greizerstein HB. **Psychopharmacology** 53(2):201–3, 18 Jul 77

ALLERGENS

Cross reactions in skin tests between kapok and house dust allergenic extracts. Dhorranintra B, et al. **Ann Allergy** 39(3):201–3, Sep 77

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Contact dermatitis in black patients. Fisher AA. **Cutis** 20(3):303, 308–9, 316 passim, Sep 77

The house-dust mite and childhood asthma in the Cape Peninsula. van Niekerk CH, et al. **S Afr Med J** 52(2):74–5, 9 Jul 77

[Can the seasonal allergens favor the recurrence of chronic inflammatory attacks? (proceedings)] Henocq E, et al. **Acta Allergol (Kbh)** 32(3):219–20, Jun 77 **(Fre)**

[Has N-isopropyl-N'-phenylparaphenylenediamine a place among standard allergens? Importance of this allergen in rubber intolerance] Foussereau J, et al. **Dermatologica** 155(3):164–7, 1977 (Eng. Abstr.) **(Fre)**

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[Data concerning the occurrence of various species of allergogenic mites (Acaroidea) in Poland] Chmielewski W. **Wiad Parazytol** 23(1–3):109–13, 1977 (Eng. Abstr.) **(Pol)**

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[Period of polinization of allergenic species in the urban area of Santiago (letter)] Diaz Carrasco E. **Rev Med Chil** 105(6):415, Jun 77 **(Spa)**

ADMINISTRATION & DOSAGE

Hyposensitization of patients with allergic rhinitis by intranasal administration of chemically modified grass pollen allergen. A pilot study. Deuschl H, et al. **Acta Allergol (Kbh)** 32(4):248–62, Aug 77

ANALYSIS

Characterization of extract of dog hair and dandruff from six different dog breeds by quantitative immunoelectrophoresis. Identification of allergens by crossed radioimmunoelectrophoresis (CRIE). Blands J, et al. **Acta Allergol (Kbh)** 32(3):147–69, Jun 77

[Sensitization to mites in house dust among children suffering bronchial asthma] Petrunov B, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):104–8, Jun 77 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

A high molecular weight allergenic fraction of honeybee venom. Karpas AB, et al. **J Allergy Clin Immunol** 60(3):155–62, Sep 77

PHARMACODYNAMICS

[Study of metabolic mechanisms of the isolated and combined effect of a chemical allergen] Merkur'eva RV, et al. **Biull Eksp Biol Med** 82(10):1221–3, Oct 76 (Eng. Abstr.) **(Rus)**

ALTITUDE

Anemia at high altitude. Wilson R. **Alaska Med** 19(4):49–52, Jul 77

The kidney and aldosterone in acclimatization at altitude. Pines A, et al. **Br J Dis Chest** 71(3):203–7, Jul 77

Uptake of noradrenaline in high altitude native's heart. Rapin JR, et al. **Experientia** 33(6):739–40, 15 Jun 77

Splanchnic blood flow, O2 consumption, removal of lactate, and output of glucose in highlanders. Capderou A, et al. **J Appl Physiol** 43(2):204–10, Aug 77

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Hematologic responses to carbon monoxide and altitude: a comparative study. Thomas MF, et al. **J Appl Physiol** 43(2):365–9, Aug 77

Altitude and hypertension. **Nutr Rev** 35(8):218–9, Aug 77 (2 ref.)

Effect of simulated altitude on blood gas transport in the pigeon. Lutz PL, et al. **Respir Physiol** 30(3):383–8, Aug 77

Effects of altitude on myoglobin and mitochondrial protein in canine skeletal muscle. Gimenez M, et al. **Respiration** 34(3):171–6, 1977

[Clinico-functional data on the behavior of the cardiocirculatory system in members of a high-altitude mountain-climbing expedition] Ramacci CA, et al. **Riv Med Aeronaut Spaz** 39(3–4):318–28, Jul–Dec 76 (Eng. Abstr.) **(Ita)**

[Spontaneous pneumothorax caused by rapid decompression in conditions of natural or simulated altitude] Rotondo G. **Riv Med Aeronaut Spaz** 39(3–4):295–317, Jul–Dec 76 (Eng. Abstr.) **(Ita)**

[Healing of experimental wounds under the effect of x-ray irradiation at high altitude] Chernova TG. **Biull Eksp Biol Med** 82(10):1261–3, Oct 76 (Eng. Abstr.) **(Rus)**

[Contractile function of the heart and its reactivity to noradrenaline in the process of the bodies adaptation to moderate altitudes] Novikova NA, et al. **Biull Eksp Biol Med** 84(7):5–7, Jul 77 (Eng. Abstr.) **(Rus)**

[Change in the ultrastructure of rat myocardium under the influence of 12-months' adaptation to high altitude] Zhaparov B, et al. **Biull Eksp Biol Med** 84(7):109–12, Jul 77 (Eng. Abstr.) **(Rus)**

[Specific features of clinical picture and treatment of pneumonia in high altitude conditions] Eklonin BL, et al. **Ter Arkh** 49(7):111–3, 1977 **(Rus)**

[Therapeutic effectiveness of high mountain climate in treatment of patients with allergic dermatosis] Mikhalov P, et al. **Vestn Dermatol Venerol** (7):37–41, Jul 77 (Eng. Abstr.) **(Rus)**

[Functional state and work ability of man during oxygen respiration without excess pressure at high altitudes] Cherniakov IN, et al. **Voen Med Zh** (3):47–50, Mar 77 **(Rus)**

ANIMAL FEED

A comparison of the energy and nitrogen metabolism of broilers selected for increased growth rate, food consumption and conversion of food to gain. Pym RA, et al. **Br Poult Sci** 18(4):411–26, Jul 77

The comparative effect of prolonged feeding with raw and heated soybean mean on the growth response, pancreatic enlargement and pancreatic enzymes of chicks. Madar Z, et al. **Nutr Metab** 20(4):234–42, 1976

Estimation of forage digestibility by a cellulase method. Kellner RJ, et al. **Z Tierphysiol** 39(1):9–16, Aug 77

Dietary zinc supply and efficiency of food utilization for growth. Weigand E, et al. **Z Tierphysiol** 39(1):16–26, Aug 77

[Metabolic reactions of calves to the feeding with Laktosan or unpasteurized whole milk] Lebeda M, et al. **Vet Med (Praha)** 22(4):217–28, Apr 77 (Eng. Abstr.) **(Cze)**

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